Johannes A Langendijk

List of Publications by Year in Descending Order

215 papers	6,423 citations	43 h-index	74 g-index
229 ext. papers	8,522 ext. citations	2.5 avg, IF	5.82 L-index

#	Paper	IF	Citations
215	The european particle therapy network (EPTN) consensus on the follow-up of adult patients with brain and skull base tumours treated with photon or proton irradiation.. *Radiotherapy and Oncology*, **2022**,	5.3	1
214	Study retention and attrition in a longitudinal cohort study including patient-reported outcomes, fieldwork and biobank samples: results of the Netherlands quality of life and Biomedical cohort study (NET-QUBIC) among 739 head and neck cancer patients and 262 informal caregivers.. *BMC Medical Research Methodology*, **2022**, 22, 27	4.7	2
213	A Decision Support Tool to Optimize Selection of Head and Neck Cancer Patients for Proton Therapy.. *Cancers*, **2022**, 14,	6.6	1
212	Performance of binary prediction models in high-correlation low-dimensional settings: a comparison of methods.. *Diagnostic and Prognostic Research*, **2022**, 6, 1	5.5	2
211	Evaluation of robustly optimised intensity modulated proton therapy for nasopharyngeal carcinoma.. *Radiotherapy and Oncology*, **2022**, 168, 221-228	5.3	1
210	Clinical relevance of the radiation dose bath in lower grade glioma, a cross-sectional pilot study on neurocognitive and radiological outcome.. *Clinical and Translational Radiation Oncology*, **2022**, 33, 99-105	4.6	
209	Proton Image-guided Radiation Assignment for Therapeutic Escalation via Selection of locally advanced head and neck cancer patients [PIRATES]: A Phase I safety and feasibility trial of MRI-guided adaptive particle radiotherapy. *Clinical and Translational Radiation Oncology*, **2022**, 32, 35-40	4.6	1
208	Review - late toxicity of abdominal and pelvic radiotherapy for childhood cancer.. *Radiotherapy and Oncology*, **2022**,	5.3	1
207	In Reply to Sari and Yazici.. *International Journal of Radiation Oncology Biology Physics*, **2022**, 112, 1291-1293		
206	A year of pandemic for European particle radiotherapy: A survey on behalf of EPTN working group.. *Clinical and Translational Radiation Oncology*, **2022**, 34, 1-6	4.6	1
205	The effect of treatment delay on quality of life and overall survival in head and neck cancer patients.. *European Journal of Cancer Care*, **2022**, e13589	2.4	0
204	Psychological Problems among Head and Neck Cancer Patients in Relation to Utilization of Healthcare and Informal Care and Costs in the First Two Years after Diagnosis. *Current Oncology*, **2022**, 29, 3200-3214	2.8	0
203	Proton therapy of a pregnant patient with nasopharyngeal carcinoma. *Clinical and Translational Radiation Oncology*, **2022**, 35, 33-36	4.6	0
202	The association of frailty and outcomes of geriatric assessment with acute radiation-induced toxicity in patients with head and neck cancer. *Oral Oncology*, **2022**, 130, 105933	4.4	
201	A two-stage genome-wide association study of radiation-induced acute toxicity in head and neck cancer. *Journal of Translational Medicine*, **2021**, 19, 481	8.5	0
200	Radiotherapy Is an Excellent Bridging Strategy in Large B-Cell Lymphoma Patients Selected for CAR T-Cell Therapy. *Blood*, **2021**, 138, 2510-2510	2.2	
199	Prevalence of neurocognitive and perceived speech deficits in patients with head and neck cancer before treatment: Associations with demographic, behavioral, and disease-related factors. *Head and Neck*, **2021**, 44, 332	4.2	1

198	Current practice in proton therapy delivery in adult cancer patients across Europe.. *Radiotherapy and Oncology*, **2021**, 167, 7-13	5.3	7
197	Association of Deficits Identified by Geriatric Assessment With Deterioration of Health-Related Quality of Life in Patients Treated for Head and Neck Cancer. *JAMA Otolaryngology - Head and Neck Surgery*, **2021**, 147, 1089-1099	3.9	3
196	A knowledge graph representation of baseline characteristics for the Dutch proton therapy research registry. *Clinical and Translational Radiation Oncology*, **2021**, 31, 93-96	4.6	0
195	Clinical suitability of deep learning based synthetic CTs for adaptive proton therapy of lung cancer. *Medical Physics*, **2021**,	4.4	2
194	Comprehensive toxicity risk profiling in radiation therapy for head and neck cancer: A new concept for individually optimised treatment. *Radiotherapy and Oncology*, **2021**, 157, 147-154	5.3	13
193	Sleep quality trajectories from head and neck cancer diagnosis to six months after treatment. *Oral Oncology*, **2021**, 115, 105211	4.4	2
192	Unilateral versus bilateral nodal irradiation: Current evidence in the treatment of squamous cell carcinoma of the head and neck. *Head and Neck*, **2021**, 43, 2807-2821	4.2	2
191	Risk of ischaemic cerebrovascular events in head and neck cancer patients is associated with carotid artery radiation dose. *Radiotherapy and Oncology*, **2021**, 157, 182-187	5.3	2
190	Towards the clinical implementation of intensity-modulated proton therapy for thoracic indications with moderate motion: Robust optimised plan evaluation by means of patient and machine specific information. *Radiotherapy and Oncology*, **2021**, 157, 210-218	5.3	2
189	A Systematic Review of Proton Therapy for the Management of Nasopharyngeal Cancer. *International Journal of Particle Therapy*, **2021**, 8, 119-130	1.5	1
188	National Protocol for Model-Based Selection for Proton Therapy in Head and Neck Cancer. *International Journal of Particle Therapy*, **2021**, 8, 354-365	1.5	7
187	PTCOG Head and Neck Subcommittee Consensus Guidelines on Particle Therapy for the Management of Head and Neck Tumors. *International Journal of Particle Therapy*, **2021**, 8, 84-94	1.5	1
186	Impact of radiation-induced toxicities on quality of life of patients treated for head and neck cancer. *Radiotherapy and Oncology*, **2021**, 160, 47-53	5.3	5
185	Range probing as a quality control tool for CBCT-based synthetic CTs: In vivo application for head and neck cancer patients. *Medical Physics*, **2021**, 48, 4498-4505	4.4	3
184	Frailty and restrictions in geriatric domains are associated with surgical complications but not with radiation-induced acute toxicity in head and neck cancer patients: A prospective study. *Oral Oncology*, **2021**, 118, 105329	4.4	5
183	Poor sleep quality among newly diagnosed head and neck cancer patients: prevalence and associated factors. *Supportive Care in Cancer*, **2021**, 29, 1035-1045	3.9	10
182	A comprehensive motion analysis - consequences for high precision image-guided radiotherapy of esophageal cancer patients. *Acta Oncologica*, **2021**, 60, 277-284	3.2	2
181	Head and neck IMPT probabilistic dose accumulation: Feasibility of a 2 mm setup uncertainty setting. *Radiotherapy and Oncology*, **2021**, 154, 45-52	5.3	5

180	The tubarial salivary glands: A potential new organ at risk for radiotherapy. *Radiotherapy and Oncology*, **2021**, 154, 292-298	5.3	43
179	Proton therapy for selected low grade glioma patients in the Netherlands. *Radiotherapy and Oncology*, **2021**, 154, 283-290	5.3	4
178	External validation of nodal failure prediction models including radiomics in head and neck cancer. *Oral Oncology*, **2021**, 112, 105083	4.4	4
177	Radiation-Induced Sarcomas of the Head and Neck: A Systematic Review. *Advances in Therapy*, **2021**, 38, 90-108	4.1	5
176	The tubarial glands paper: A starting point. A reply to comments. *Radiotherapy and Oncology*, **2021**, 154, 308-311	5.3	2
175	Inter-fraction motion robustness and organ sparing potential of proton therapy for cervical cancer. *Radiotherapy and Oncology*, **2021**, 154, 194-200	5.3	8
174	Trends in the Management of Non-Vestibular Skull Base and Intracranial Schwannomas. *Cancer Management and Research*, **2021**, 13, 463-478	3.6	1
173	Validation of separate multi-atlases for auto segmentation of cardiac substructures in CT-scans acquired in deep inspiration breath hold and free breathing. *Radiotherapy and Oncology*, **2021**, 163, 46-54	5.3	0
172	Development of advanced preselection tools to reduce redundant plan comparisons in model-based selection of head and neck cancer patients for proton therapy. *Radiotherapy and Oncology*, **2021**, 160, 61-68	5.3	2
171	International Recommendations on Reirradiation by Intensity Modulated Radiation Therapy for Locally Recurrent Nasopharyngeal Carcinoma. *International Journal of Radiation Oncology Biology Physics*, **2021**, 110, 682-695	4	11
170	Assessment of a diaphragm override strategy for robustly optimized proton therapy planning for esophageal cancer patients. *Medical Physics*, **2021**, 48, 5674-5683	4.4	1
169	The Importance of Radiation Dose to the Atherosclerotic Plaque in the Left Anterior Descending Coronary Artery for Radiation-Induced Cardiac Toxicity of Breast Cancer Patients?. *International Journal of Radiation Oncology Biology Physics*, **2021**, 110, 1350-1359	4	1
168	A novel semi auto-segmentation method for accurate dose and NTCP evaluation in adaptive head and neck radiotherapy. *Radiotherapy and Oncology*, **2021**, 164, 167-174	5.3	1
167	Quality of life and toxicity guided treatment plan optimisation for head and neck cancer. *Radiotherapy and Oncology*, **2021**, 162, 85-90	5.3	0
166	Can the mean linear energy transfer of organs be directly related to patient toxicities for current head and neck cancer intensity-modulated proton therapy practice?. *Radiotherapy and Oncology*, **2021**, 165, 159-165	5.3	0
165	Relationship between videofluoroscopic and subjective (physician- and patient- rated) assessment of late swallowing dysfunction after (chemo) radiation: Results of a prospective observational study. *Radiotherapy and Oncology*, **2021**, 164, 253-260	5.3	0
164	Parotid Gland Stem Cell Sparing Radiation Therapy for Patients With Head and Neck Cancer: A Double-Blind Randomized Controlled Trial. *International Journal of Radiation Oncology Biology Physics*, **2021**,	4	3
163	Patient-Reported Toxicity and Quality-of-Life Profiles in Patients With Head and Neck Cancer Treated With Definitive Radiation Therapy or Chemoradiation. *International Journal of Radiation Oncology Biology Physics*, **2021**, 111, 456-467	4	8

162	Associations between testosterone and patient reported sexual outcomes among male and female head and neck cancer patients before and six months after treatment: A pilot study. *Oral Oncology*, **2021**, 121, 105505	4.4	0
161	Radiotherapy as nose preservation treatment strategy for cancer of the nasal vestibule: The Dutch experience. *Radiotherapy and Oncology*, **2021**, 164, 20-26	5.3	3
160	Current status and application of proton therapy for esophageal cancer. *Radiotherapy and Oncology* , **2021**, 164, 27-36	5.3	1
159	Technical Note: First report on an in vivo range probing quality control procedure for scanned proton beam therapy in head and neck cancer patients. *Medical Physics*, **2021**, 48, 1372-1380	4.4	2
158	Mapping the Future of Particle Radiobiology in Europe: The INSPIRE Project. *Frontiers in Physics*, **2020**, 8,	3.9	2
157	Assessment of manual adjustment performed in clinical practice following deep learning contouring for head and neck organs at risk in radiotherapy. *Physics and Imaging in Radiation Oncology*, **2020**, 16, 54-60	3.1	5
156	Randomized controlled trial to identify the optimal radiotherapy scheme for palliative treatment of incurable head and neck squamous cell carcinoma. *Radiotherapy and Oncology*, **2020**, 149, 181-188	5.3	6
155	Deformable image registration uncertainty for inter-fractional dose accumulation of lung cancer proton therapy. *Radiotherapy and Oncology*, **2020**, 147, 178-185	5.3	8
154	Can we safely reduce the radiation dose to the heart while compromising the dose to the lungs in oesophageal cancer patients?. *Radiotherapy and Oncology*, **2020**, 149, 222-227	5.3	2
153	Investigation of inter-fraction target motion variations in the context of pencil beam scanned proton therapy in non-small cell lung cancer patients. *Medical Physics*, **2020**, 47, 3835-3844	4.4	10
152	Analysis of the applicability of two-dimensional detector arrays in terms of sampling rate and detector size to verify scanned intensity-modulated proton therapy plans. *Medical Physics*, **2020**, 47, 4589-4601	4.4	2
151	Delayed effects of a single-dose whole-brain radiation therapy on glucose metabolism and myelin density: a longitudinal PET study. *International Journal of Radiation Biology*, **2020**, 96, 1135-1143	2.9	0
150	Feasibility of patient specific quality assurance for proton therapy based on independent dose calculation and predicted outcomes. *Radiotherapy and Oncology*, **2020**, 150, 136-141	5.3	4
149	The Acute and Early Effects of Whole-Brain Irradiation on Glial Activation, Brain Metabolism, and Behavior: a Positron Emission Tomography Study. *Molecular Imaging and Biology*, **2020**, 22, 1012-1020	3.8	2
148	Current management of stage IV nasopharyngeal carcinoma without distant metastasis. *Cancer Treatment Reviews*, **2020**, 85, 101995	14.4	10
147	Pre-treatment radiomic features predict individual lymph node failure for head and neck cancer patients. *Radiotherapy and Oncology*, **2020**, 146, 58-65	5.3	10
146	Reduced radiation-induced toxicity by using proton therapy for the treatment of oropharyngeal cancer. *British Journal of Radiology*, **2020**, 93, 20190955	3.4	11
145	High pATM is Associated With Poor Local Control in Supraglottic Cancer Treated With Radiotherapy. *Laryngoscope*, **2020**, 130, 1954-1960	3.6	1

144	Impact of sarcopenia on survival and late toxicity in head and neck cancer patients treated with radiotherapy. *Radiotherapy and Oncology*, **2020**, 147, 103-110	5.3	31
143	Biological tumor markers associated with local control after primary radiotherapy in laryngeal cancer: A systematic review. *Clinical Otolaryngology*, **2020**, 45, 486-494	1.8	4
142	Key challenges in normal tissue complication probability model development and validation: towards a comprehensive strategy. *Radiotherapy and Oncology*, **2020**, 148, 151-156	5.3	10
141	Classification of various sources of error in range assessment using proton radiography and neural networks in head and neck cancer patients. *Physics in Medicine and Biology*, **2020**, 65,	3.8	1
140	Comparison of the suitability of CBCT- and MR-based synthetic CTs for daily adaptive proton therapy in head and neck patients. *Physics in Medicine and Biology*, **2020**, 65, 235036	3.8	7
139	Evaluation of continuous beam rescanning versus pulsed beam in pencil beam scanned proton therapy for lung tumours. *Physics in Medicine and Biology*, **2020**, 65, 23NT01	3.8	2
138	Standardised Ki-67 proliferation index assessment in early-stage laryngeal squamous cell carcinoma in relation to local control and survival after primary radiotherapy. *Clinical Otolaryngology*, **2020**, 45, 12-20	1.8	2
137	Improving automatic delineation for head and neck organs at risk by Deep Learning Contouring. *Radiotherapy and Oncology*, **2020**, 142, 115-123	5.3	52
136	Frailty is associated with decline in health-related quality of life of patients treated for head and neck cancer. *Oral Oncology*, **2020**, 111, 105020	4.4	11
135	Technical Note: 4D cone-beam CT reconstruction from sparse-view CBCT data for daily motion assessment in pencil beam scanned proton therapy (PBS-PT). *Medical Physics*, **2020**, 47, 6381-6387	4.4	3
134	Weekly robustness evaluation of intensity-modulated proton therapy for oesophageal cancer. *Radiotherapy and Oncology*, **2020**, 151, 66-72	5.3	4
133	Metastatic Squamous Cell Carcinoma to the Cervical Lymph Nodes From an Unknown Primary Cancer: Management in the HPV Era. *Frontiers in Oncology*, **2020**, 10, 593164	5.3	4
132	First experience with model-based selection of head and neck cancer patients for proton therapy. *Radiotherapy and Oncology*, **2020**, 151, 206-213	5.3	27
131	Evaluation of interplay and organ motion effects by means of 4D dose reconstruction and accumulation. *Radiotherapy and Oncology*, **2020**, 150, 268-274	5.3	16
130	Updating Photon-Based Normal Tissue Complication Probability Models for Pneumonitis in Patients With Lung Cancer Treated With Proton Beam Therapy. *Practical Radiation Oncology*, **2020**, 10, e330-e338	2.8	2
129	Roadmap: proton therapy physics and biology. *Physics in Medicine and Biology*, **2020**,	3.8	17
128	International Guideline on Dose Prioritization and Acceptance Criteria in Radiation Therapy Planning for Nasopharyngeal Carcinoma. *International Journal of Radiation Oncology Biology Physics* , **2019**, 105, 567-580	4	48
127	Practical robustness evaluation in radiotherapy - A photon and proton-proof alternative to PTV-based plan evaluation. *Radiotherapy and Oncology*, **2019**, 141, 267-274	5.3	45

126	Delta-radiomics features during radiotherapy improve the prediction of late xerostomia. *Scientific Reports*, **2019**, 9, 12483	4.9	12
125	Organ sparing potential and inter-fraction robustness of adaptive intensity modulated proton therapy for lung cancer. *Acta Oncologica*, **2019**, 58, 1775-1782	3.2	8
124	Selection of lymph node target volumes for definitive head and neck radiation therapy: a 2019 Update. *Radiotherapy and Oncology*, **2019**, 134, 1-9	5.3	59
123	Assessment of Neurocognitive Impairment and Speech Functioning Before Head and Neck Cancer Treatment. *JAMA Otolaryngology - Head and Neck Surgery*, **2019**, 145, 251-257	3.9	5
122	Prevalence and clinical and psychological correlates of high fear of cancer recurrence in patients newly diagnosed with head and neck cancer. *Head and Neck*, **2019**, 41, 3187-3200	4.2	17
121	In vitro biological response of cancer and normal tissue cells to proton irradiation not affected by an added magnetic field. *Radiotherapy and Oncology*, **2019**, 137, 125-129	5.3	7
120	Comprehensive 4D robustness evaluation for pencil beam scanned proton plans. *Radiotherapy and Oncology*, **2019**, 136, 185-189	5.3	22
119	Composite minimax robust optimization of VMAT improves target coverage and reduces non-target dose in head and neck cancer patients. *Radiotherapy and Oncology*, **2019**, 136, 71-77	5.3	7
118	Cardiac Function After Radiation Therapy for Breast Cancer. *International Journal of Radiation Oncology Biology Physics*, **2019**, 104, 392-400	4	15
117	Development and evaluation of an auto-segmentation tool for the left anterior descending coronary artery of breast cancer patients based on anatomical landmarks. *Radiotherapy and Oncology*, **2019**, 136, 15-20	5.3	7
116	A Model-Based Approach to Predict Short-Term Toxicity Benefits With Proton Therapy for Oropharyngeal Cancer. *International Journal of Radiation Oncology Biology Physics*, **2019**, 104, 553-562	4	22
115	Evaluation of a 3D surface imaging system for deep inspiration breath-hold patient positioning and intra-fraction monitoring. *Radiation Oncology*, **2019**, 14, 125	4.2	18
114	The prognostic value of CT-based image-biomarkers for head and neck cancer patients treated with definitive (chemo-)radiation. *Oral Oncology*, **2019**, 95, 178-186	4.4	19
113	Development of Normal Tissue Complication Probability Model for Trismus in Head and Neck Cancer Patients Treated With Radiotherapy: The Role of Dosimetric and Clinical Factors. *Anticancer Research*, **2019**, 39, 6787-6798	2.3	3
112	Radiotherapy for parapharyngeal space tumors. *American Journal of Otolaryngology - Head and Neck Medicine and Surgery*, **2019**, 40, 289-291	2.8	5
111	Prevalence and prediction of trismus in patients with head and neck cancer: A cross-sectional study. *Head and Neck*, **2019**, 41, 64-71	4.2	14
110	Automated Robust Proton Planning Using Dose-Volume Histogram-Based Mimicking of the Photon Reference Dose and Reducing Organ at Risk Dose Optimization. *International Journal of Radiation Oncology Biology Physics*, **2019**, 103, 251-258	4	9
109	Functional Swallowing Units (FSUs) as organs-at-risk for radiotherapy. PART 2: Advanced delineation guidelines for FSUs. *Radiotherapy and Oncology*, **2019**, 130, 68-74	5.3	4

108	Functional Swallowing Units (FSUs) as organs-at-risk for radiotherapy. PART 1: Physiology and anatomy. *Radiotherapy and Oncology*, **2019**, 130, 62-67	5.3	8
107	Reply to Laprie A. et al. *Radiotherapy and Oncology*, **2019**, 130, 194	5.3	
106	Radiation-induced carotid artery lesions. *Strahlentherapie Und Onkologie*, **2018**, 194, 699-710	4.3	27
105	Parameters Associated With Mandibular Osteoradionecrosis. *American Journal of Clinical Oncology: Cancer Clinical Trials*, **2018**, 41, 1276-1280	2.7	12
104	Viable tumor in salvage neck dissections in head and neck cancer: Relation with initial treatment, change of lymph node size and human papillomavirus. *Oral Oncology*, **2018**, 77, 131-136	4.4	7
103	Assessment of dosimetric errors induced by deformable image registration methods in 4D pencil beam scanned proton treatment planning for liver tumours. *Radiotherapy and Oncology*, **2018**, 128, 174-181	5.3	23
102	Local control in sinonasal malignant melanoma: Comparing conventional to hypofractionated radiotherapy. *Head and Neck*, **2018**, 40, 86-93	4.2	3
101	Is the coronary artery calcium score associated with acute coronary events in breast cancer patients treated with radiotherapy?. *Radiotherapy and Oncology*, **2018**, 126, 170-176	5.3	20
100	Patients with advanced periodontal disease before intensity-modulated radiation therapy are prone to develop bone healing problems: a 2-year prospective follow-up study. *Supportive Care in Cancer*, **2018**, 26, 1133-1142	3.9	21
99	Prognostic factors for tube feeding dependence after curative (chemo-) radiation in head and neck cancer: A systematic review of literature. *Radiotherapy and Oncology*, **2018**, 126, 56-67	5.3	35
98	F-FDG PET image biomarkers improve prediction of late radiation-induced xerostomia. *Radiotherapy and Oncology*, **2018**, 126, 89-95	5.3	32
97	Prospective data registration and clinical trials for particle therapy in Europe. *Radiotherapy and Oncology*, **2018**, 128, 9-13	5.3	14
96	Development of a prediction model for late urinary incontinence, hematuria, pain and voiding frequency among irradiated prostate cancer patients. *PLoS ONE*, **2018**, 13, e0197757	3.7	17
95	Clinical Trial Strategies to Compare Protons With Photons. *Seminars in Radiation Oncology*, **2018**, 28, 79-87	5.5	51
94	Lack of DNA Damage Response at Low Radiation Doses in Adult Stem Cells Contributes to Organ Dysfunction. *Clinical Cancer Research*, **2018**, 24, 6583-6593	12.9	21
93	Early Detection of Cardiovascular Changes After Radiotherapy for Breast Cancer: Protocol for a European Multicenter Prospective Cohort Study (MEDIRAD EARLY HEART Study). *JMIR Research Protocols*, **2018**, 7, e178	2	11
92	PET Imaging with S-[C]Methyl-L-Cysteine and L-[Methyl-C]Methionine in Rat Models of Glioma, Glioma Radiotherapy, and Neuroinflammation. *Molecular Imaging and Biology*, **2018**, 20, 465-472	3.8	3
91	International guideline for the delineation of the clinical target volumes (CTV) for nasopharyngeal carcinoma. *Radiotherapy and Oncology*, **2018**, 126, 25-36	5.3	105

90	Reproducibility of the lung anatomy under active breathing coordinator control: Dosimetric consequences for scanned proton treatments. *Medical Physics*, **2018**, 45, 5525-5534	4.4	5
89	External validation of a multifactorial normal tissue complication probability model for tube feeding dependence at 6 months after definitive radiotherapy for head and neck cancer. *Radiotherapy and Oncology*, **2018**, 129, 403-408	5.3	11
88	Radiation dose constraints for organs at risk in neuro-oncology; the European Particle Therapy Network consensus. *Radiotherapy and Oncology*, **2018**, 128, 26-36	5.3	60
87	"Radiobiology of Proton Therapy": Results of an international expert workshop. *Radiotherapy and Oncology*, **2018**, 128, 56-67	5.3	64
86	Parotid gland fat related Magnetic Resonance image biomarkers improve prediction of late radiation-induced xerostomia. *Radiotherapy and Oncology*, **2018**, 128, 459-466	5.3	35
85	Validation and Modification of a Prediction Model for Acute Cardiac Events in Patients With Breast Cancer Treated With Radiotherapy Based on Three-Dimensional Dose Distributions to Cardiac Substructures. *Journal of Clinical Oncology*, **2017**, 35, 1171-1178	2.2	204
84	Reply letter to "Texture analysis of parotid gland as a predictive factor of radiation induced xerostomia: A subset analysis". *Radiotherapy and Oncology*, **2017**, 122, 322	5.3	1
83	Survival Patterns in Elderly Head and Neck Squamous Cell Carcinoma Patients Treated With Definitive Radiation Therapy. *International Journal of Radiation Oncology Biology Physics*, **2017**, 98, 793-801	4	14
82	Feedback preferences of patients, professionals and health insurers in integrated head and neck cancer care. *Health Expectations*, **2017**, 20, 1275-1288	3.7	6
81	Long-term Outcome of Surgery or Stereotactic Radiotherapy for Lung Oligometastases. *Journal of Thoracic Oncology*, **2017**, 12, 1442-1445	8.9	44
80	Phosphorylated FADD is not prognostic for local control in T1-T2 supraglottic laryngeal carcinoma treated with radiotherapy. *Laryngoscope*, **2017**, 127, E301-E307	3.6	8
79	High prevalence of cachexia in newly diagnosed head and neck cancer patients: An exploratory study. *Nutrition*, **2017**, 35, 114-118	4.8	40
78	Treatment of late sequelae after radiotherapy for head and neck cancer. *Cancer Treatment Reviews*, **2017**, 59, 79-92	14.4	105
77	Role of radiotherapy fractionation in head and neck cancers (MARCH): an updated meta-analysis. *Lancet Oncology, The*, **2017**, 18, 1221-1237	21.7	156
76	A Clarion Call for Large-Scale Collaborative Studies of Pediatric Proton Therapy. *International Journal of Radiation Oncology Biology Physics*, **2017**, 98, 980-981	4	15
75	Improving the prediction of overall survival for head and neck cancer patients using image biomarkers in combination with clinical parameters. *Radiotherapy and Oncology*, **2017**, 124, 256-262	5.3	32
74	Geometric Image Biomarker Changes of the Parotid Gland Are Associated With Late Xerostomia. *International Journal of Radiation Oncology Biology Physics*, **2017**, 99, 1101-1110	4	19
73	Pulmonary Function Changes After Radiotherapy for Lung or Esophageal Cancer: A Systematic Review Focusing on Dose-Volume Parameters. *Oncologist*, **2017**, 22, 1257-1264	5.7	13

72	Prophylactic exercises among head and neck cancer patients during and after swallowing sparing intensity modulated radiation: adherence and exercise performance levels of a 12-week guided home-based program. *European Archives of Oto-Rhino-Laryngology*, **2017**, 274, 1129-1138	3.5	32
71	CT image biomarkers to improve patient-specific prediction of radiation-induced xerostomia and sticky saliva. *Radiotherapy and Oncology*, **2017**, 122, 185-191	5.3	59
70	Optimizing Radiotherapy in HPV-Associated Oropharyngeal Cancer Patients. *Recent Results in Cancer Research*, **2017**, 206, 161-171	1.5	6
69	Understanding mechanisms yields novel approaches to reduce radiotherapy-related xerostomia. *Annals of Translational Medicine*, **2017**, 5, 63	3.2	2
68	Decreasing Irradiated Rat Lung Volume Changes Dose-Limiting Toxicity From Early to Late Effects. *International Journal of Radiation Oncology Biology Physics*, **2016**, 94, 163-171	4	13
67	Limited Impact of Setup and Range Uncertainties, Breathing Motion, and Interplay Effects in Robustly Optimized Intensity Modulated Proton Therapy for Stage III Non-small Cell Lung Cancer. *International Journal of Radiation Oncology Biology Physics*, **2016**, 96, 661-9	4	45
66	Predictors for trismus in patients receiving radiotherapy. *Acta Oncologica*, **2016**, 55, 1318-1323	3.2	25
65	A comparison of weekly versus 3-weekly cisplatin during adjuvant radiotherapy for high-risk head and neck cancer. *Oral Oncology*, **2016**, 59, 43-49	4.4	12
64	Cumulative cisplatin dose in concurrent chemoradiotherapy for head and neck cancer: A systematic review. *Head and Neck*, **2016**, 38 Suppl 1, E2151-8	4.2	107
63	Head and neck intensity modulated radiation therapy leads to an increase of opportunistic oral pathogens. *Oral Oncology*, **2016**, 58, 32-40	4.4	29
62	Development and evaluation of an online three-level proton vs photon decision support prototype for head and neck cancer - Comparison of dose, toxicity and cost-effectiveness. *Radiotherapy and Oncology*, **2016**, 118, 281-5	5.3	46
61	FGFR Family Members Protein Expression as Prognostic Markers in Oral Cavity and Oropharyngeal Squamous Cell Carcinoma. *Molecular Diagnosis and Therapy*, **2016**, 20, 363-74	4.5	13
60	The Quest for Evidence for Proton Therapy: Model-Based Approach and Precision Medicine. *International Journal of Radiation Oncology Biology Physics*, **2016**, 95, 30-36	4	79
59	The In Vitro Response of Tissue Stem Cells to Irradiation With Different Linear Energy Transfers. *International Journal of Radiation Oncology Biology Physics*, **2016**, 95, 103-111	4	18
58	Validation of the total dysphagia risk score (TDRS) in head and neck cancer patients in a conventional and a partially accelerated radiotherapy scheme. *Radiotherapy and Oncology*, **2016**, 118, 293-7	5.3	3
57	Robust Intensity Modulated Proton Therapy (IMPT) Increases Estimated Clinical Benefit in Head and Neck Cancer Patients. *PLoS ONE*, **2016**, 11, e0152477	3.7	37
56	Normal tissue complication probability (NTCP) models for late rectal bleeding, stool frequency and fecal incontinence after radiotherapy in prostate cancer patients. *Radiotherapy and Oncology*, **2016**, 119, 381-7	5.3	42
55	Quality-of-life after radiotherapy for advanced laryngeal cancer: Results of a phase III trial of the Dutch Head and Neck Society. *Radiotherapy and Oncology*, **2016**, 119, 213-20	5.3	15

54	Multivariable normal tissue complication probability model-based treatment plan optimization for grade 2-4 dysphagia and tube feeding dependence in head and neck radiotherapy. *Radiotherapy and Oncology*, **2016**, 121, 374-380	5.3	10
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